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APPLICĂTION NO.	APPLICATION NO. FILING DATE 09/995,277 11/26/2001		FIRST NAMED INVENTOR Jonathan B. Baell		ATTORNEY DOCKET NO.	CONFIRMATION NO. 3236	
09/995,277					4102-5-1		
22442	7590	01/21/2003		11			
SHERIDAN ROSS PC			EXAMINER				
1560 BROADWAY SUITE 1200			•		SPIVACK, PHYLLIS G		
DENVER, CO	80202			.[ART UNIT	PAPER NUMBER	
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				·	DATE MAILED: 01/21/2003	1.1	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No. 09/995,277

Applicant(s),

Baell et al.

Examiner

Phyllis G. Spivack

Art Unit 1614



	The MAILING DATE of this communication appears	on the cover sl	heet with	the correspondence address	
Period	for Reply		11		
	ORTENED STATUTORY PERIOD FOR REPLY IS SET MAILING DATE OF THIS COMMUNICATION.	TO EXPIRE _	3	_ MONTH(S) FROM	
	sions of time may be available under the provisions of 37 CFR 1.136 (a). In	no event, however,	may a reply b	e timely filed after SIX (6) MONTHS from the	* •
- If the	g datè of this communication. period for reply specified above is less than thirty (30) days, a reply within th	·			
	period for reply is specified above, the maximum statutory period will apply a to reply within the set or extended period for reply will, by statute, cause the				•
-	ply received by the Office later than three months after the mailing date of t patent term adjustment. See 37 CFR 1.704(b).	this communication,	even if timely	filed; mayareduce any என கூடிக்கையான வருவருக	te laterature saluri
Status	patent term adjasations. Good of GTM 1.704(b).		• • •		
1) 💢	Responsive to communication(s) filed on Sep 27, 2	2002			
2a) 🗌	This action is FINAL . 2b) 🔀 This act	tion is non-fina	l		
3) 🗆	Since this application is in condition for allowance closed in accordance with the practice under Ex particles.	•			* * * * * * * * * * * * * * * * * * * *
Disposi	tion of Claims				
4) 💢	Claim(s) 108-111, 113, 116, 122-142, and 145	· · · · · · · · · · · · · · · · · · ·		is/are pending in the application	on.
. 4	la) Of the above, claim(s) 135			is/are withdrawn from consid	leration.
5) 🗆	Claim(s)			is/are allowed.	
6) 💢	Claim(s) 108-111, 113, 116, 122-134, and 136-14				•
7) 💢	Claim(s) <u>145</u>		<u>.</u> . •	is/are objected to.	
8) 🗔	Claims	are	subject	to restriction and/or election requ	irement.
	tion Papers	•			
9) 🗆	The specification is objected to by the Examiner.				
10)	The drawing(s) filed on is/are	a) 🗀 accepte	ed or h)[Objected to by the Examiner	,
.0,	Applicant may not request that any objection to the d			The second secon	
11)	The proposed drawing correction filed on	-			Evaminer
	If approved, corrected drawings are required in reply t	•		pproved by the	LXammer.
121	The oath or declaration is objected to by the Exami		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	under 35 U.S.C. §§ 119 and 120	iiiei.		and the contract of the second	
	Acknowledgement is made of a claim for foreign pr	riority under 2	E L'I S C	5 119(a) (d) or (f)	•
	☐ All—b)☐ Some*—c)☐ None of:	•		·	•
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	2. ☐ Certified copies of the priority documents hav			· · · · · · · · · · · · · · · · · · ·	- • ;
	3. ☐ Copies of the certified copies of the priority do application from the International Bures see the attached detailed Office action for a list of the	au (PCT Rule 1	l 7.2(a)).	•	
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14) 🗔	Acknowledgement is made of a claim for domestic	•		•	
a) ∟ 15\□			10		÷
2.4	Acknowledgement is made of a claim for domestic	buotify auger	35 0.3.0	2. 33 120 allo/or 121.	
Attachm 1) V No	ent(s) tice of References Cited (PTO-892)	4) Interview S	ımman/ (PTO	-413} Paper No(s)	
	tice of Draftsperson's Patent Drawing Review (PTO-948)			Application (PTO-152)	;
	ormation Disclosure Statement(s) (PTO-1449) Paper No(s).	6) Other:			

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Applicant's Amendment filed September 27, 2002, Paper No. 9, is acknowledged. Claims 112, 114, 115, 117-121, 143, 144 and 146-150 are canceled. Claims 108-111, 113, 116, 122-134, 136-142 and 145, directed to the compositions and methods of use of Group I, wherein at least one of W¹ and W² is CO₂R³ and the other is CO₂R³, C (=NH) NH (OH) or C (=O) CF₃, and wherein no other heteroaryl groups are present, remain under consideration.

Claim 135 is withdrawn from consideration by the Examiner, as being directed to a non-elected invention, 37 CFR 1.142(b).

In the last office action claims 108-112 and 122-141 were rejected under judicially created doctrine as being drawn to an improper Markush group. It was asserted a proper Markush group must share a substantial structural feature disclosed as being essential.

Applicants urge cancellation of claims 112, 114, 115, 117-121, 143, 144 and 146-150 from the instant application and amendment of claim 108 to remove non-elected subject matter, as suggested by the Examiner, resolve the issue.

It is noted each of Ar¹ and Ar² may be heteroaryl in claim 122. It is further noted the compound of claim 135 may be nucleoside. Accordingly the Markush rejection of record is maintained with respect to claim 108-111, 113, 122-134, 136-141 and extended to include claim 113.

Following the cancellation of claims 112, 114, 115, 117-121, 143, 144 and 146-150 from the instant application and the amendment of claim 108 to remove any overlapping subject matter with U.S. Patent No. 6,355,683, the rejection of claims 108-

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150 under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-50 of U.S. Patent No. 6,355,683, is withdrawn.

In the last Office Action claims 108-111 and 122-141 were rejected under 35 U.S.C. 112, both first and second paragraphs, as containing subject matter that was not described in the specification in such a way as to enable one skilled in the art to make the invention, and, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants regard as the invention.

In response, claim 108 and claims dependent therefrom have been amended to more narrowly recite the claimed linker group L within the Examiner's restriction group I. Applicants have canceled Claim 112 and amended Claim 113 to depend from Claim 108, which provides sufficient antecedent basis, as amended. Applicants have amended Claim 141 to remove the recitation to L¹.

Because no amendments in response to the rejections of record under 35 U.S.C. 112, both first and second paragraphs, were applied to the method claims, these rejections are maintained with respect to claims 122-134 and 136-142.

Claims 108-112 were rejected under 35 U.S.C. 102(b) as being anticipated by Riad et al., J. Chem. Res., Synop. (abstract), or Aizpurua et al., Can. J. Chem. (abstract) in the last Office Action. Based on the reference to claim 116, it is apparent claims 113 and 116 were inadvertently omitted but intended to be included in the rejection. It was asserted Riad and Aizpurua independently disclose the compound 4,4'-[oxybis(methylene)] bisbenzoic acid, the compound of instant claim 116, in a composition.

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Applicants argue Riad and Aizpurua independently disclose the compound 4,4'[oxybis(methylene)] bisbenzoic acid. The compound disclosed by the reference to Riad and Aizpurua is a benzylic ether whereas the compound of claim 116 is a phenolic ether. Furthermore, Riad and Aizpurua merely teach methods of synthesizing the benzylic ether and there is no mention or suggestion in either reference of the use of the benzylic ether in the applications of the instant invention.

The rejection is withdrawn because, as amended, the compounds disclosed by the references are not presently encompassed within the claimed subject matter.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) The invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 108-111are rejected under 35 U.S.C. 102(b) as being anticipated by Chucholowski et al., U.S. patent 5, 521, 160.

Chucholowski teaches pharmaceutical compositions comprising bis carboxystilbenes. For instance, see Examples 2 and 3, column 14.

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The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 108-111, 113 and 116 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yanaka et al., U.S. Patent No. 5,932,575.

Yanaka teaches a pharmaceutical composition comprising a compound of formula I wherein Z = CH; t = 0; $R^7 = -CO$ -; $R^2 = -OH$; $R^{13} = H$; $R^{12} = -R^{11}$ - R^5 -; $R^{11} = -O$ -; $R^5 = -CO$ --CH₂C₆H₄COOH. See columns 1, -2. Yanaka states the compounds are known in the prior art. The claims differ only with respect to the position of the carboxyl group in R⁵. However, one skilled in the art of formulation chemistry would have been motivated to prepare a composition comprising 3,3'-[oxybis(methylene)]bis-benzoic acid to treat cardiac diseases. Such would have been obvious in the absence of evidence to the contrary because it would have been reasonable to expect the three position isomers of such close structural similarity to exhibit the same pharmacologic activity.

No claim is allowed.

Any inquiry concerning this communication should be directed to Phyllis Spivack at Phyllis Spirack telephone number 703-308-4703.

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